

FIG. 1

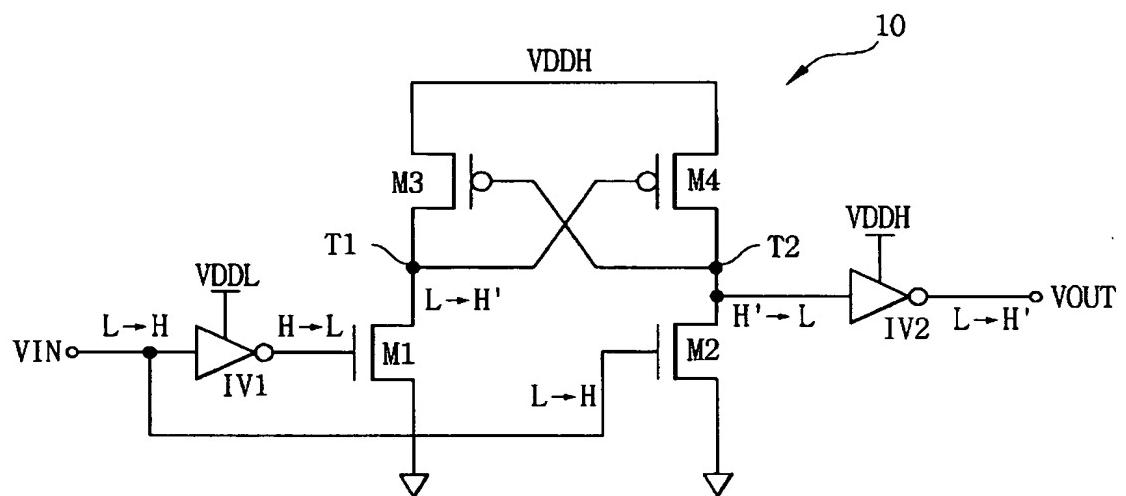


FIG. 2

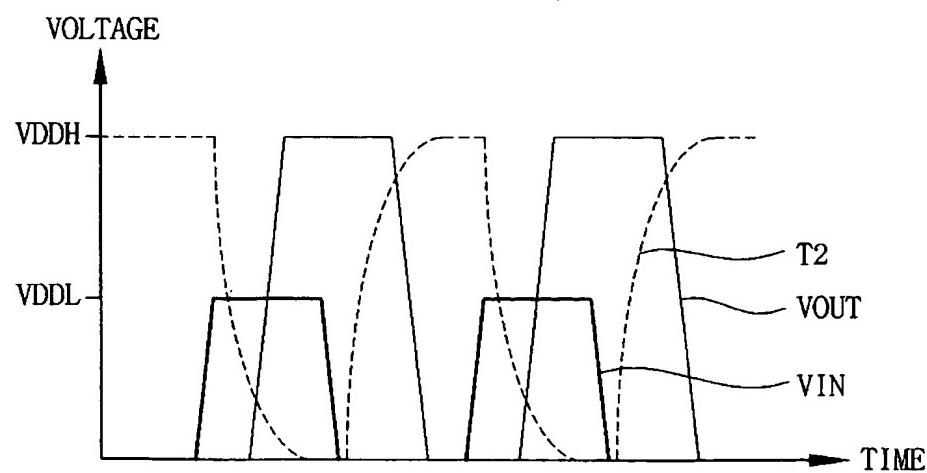


FIG. 3
(PRIOR ART)

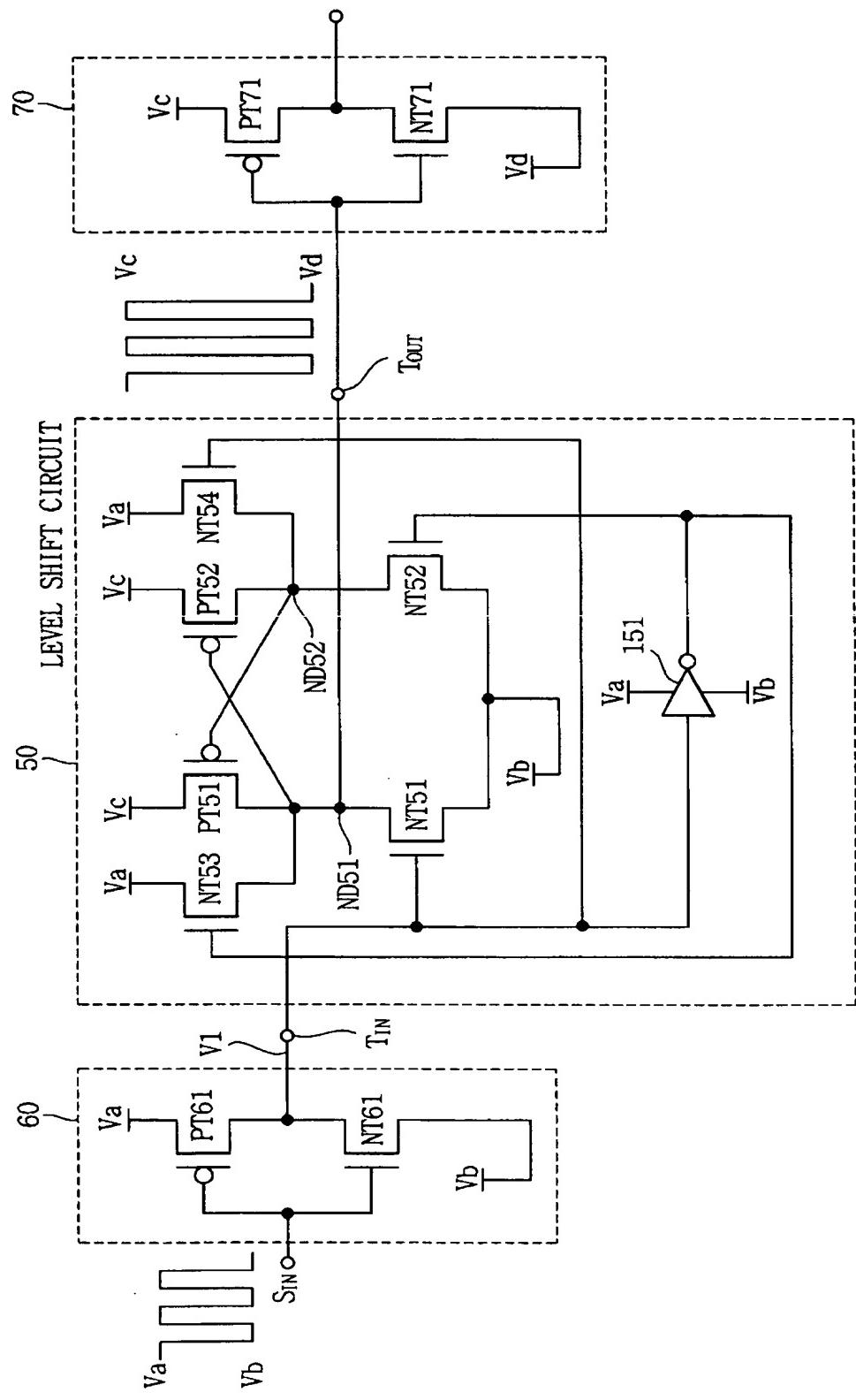


FIG. 4

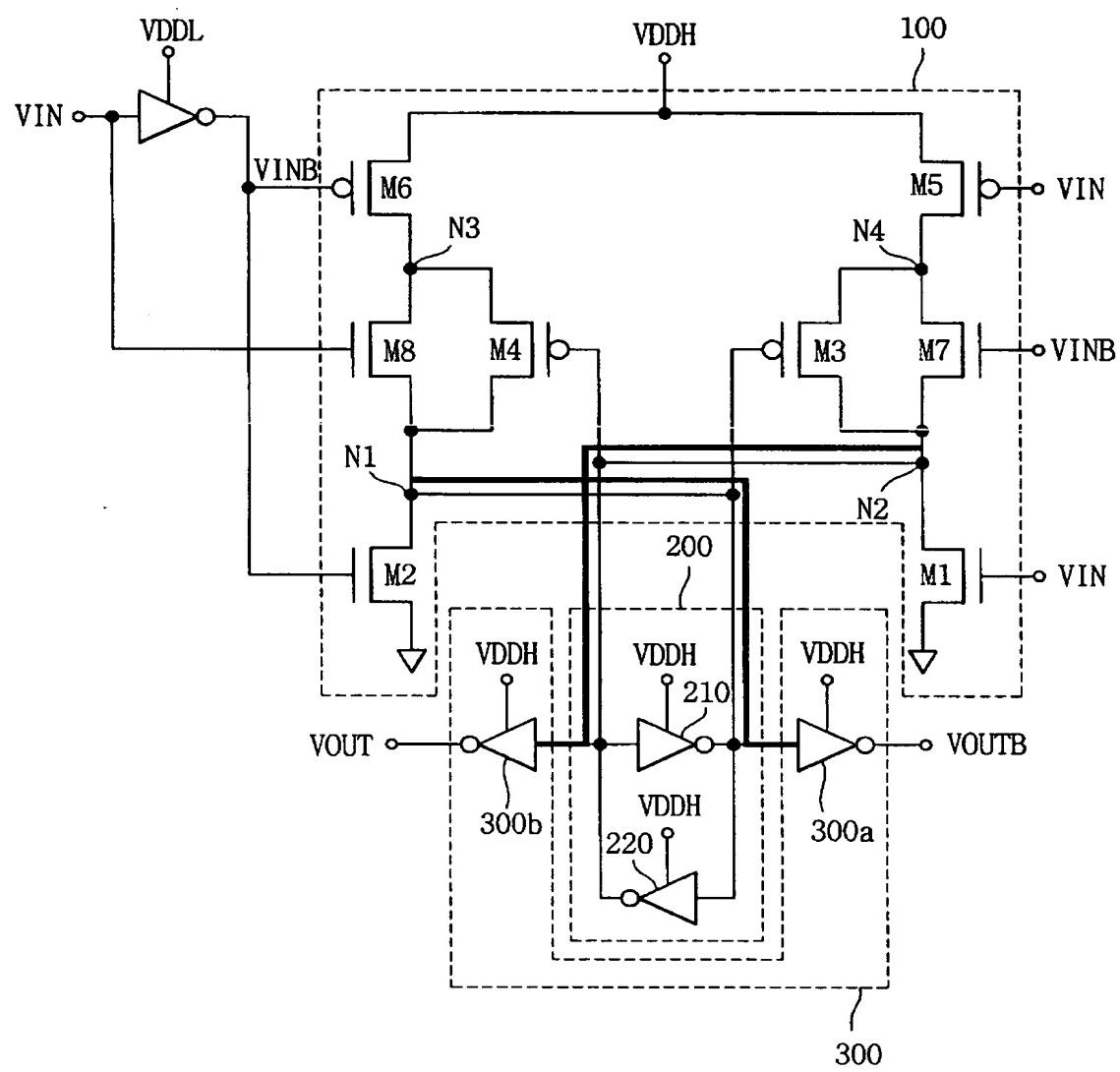


FIG. 5A

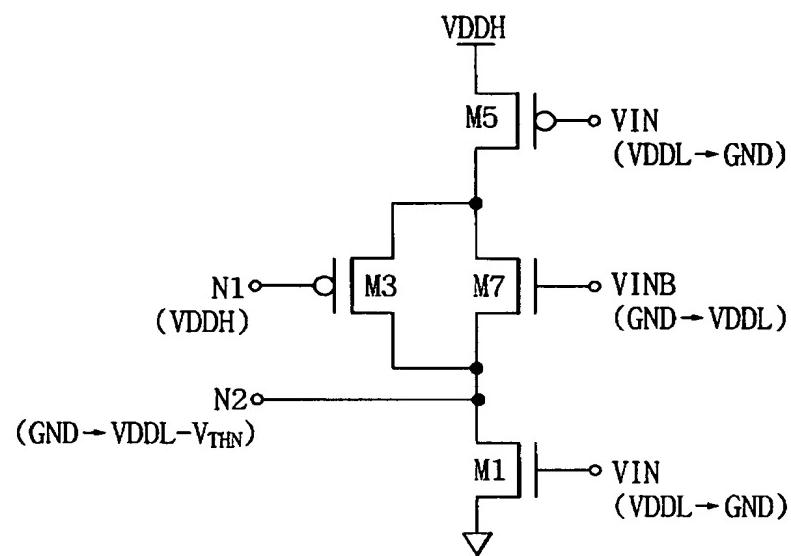


FIG. 5B

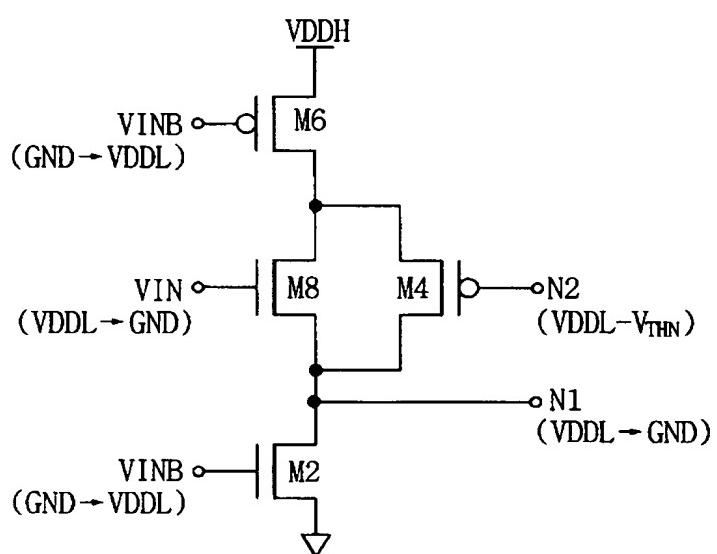


FIG. 5C

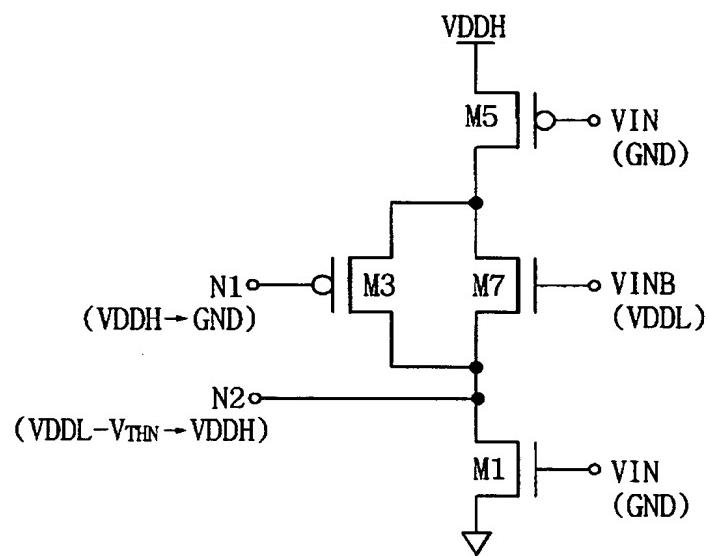


FIG. 5D

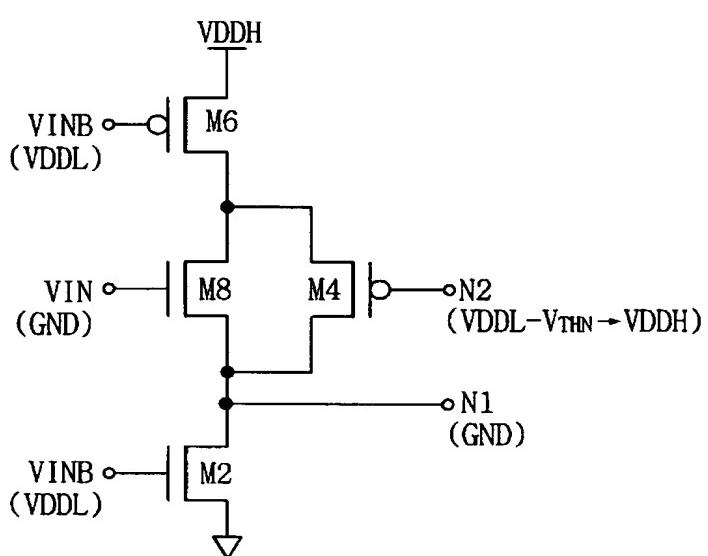


FIG. 6A

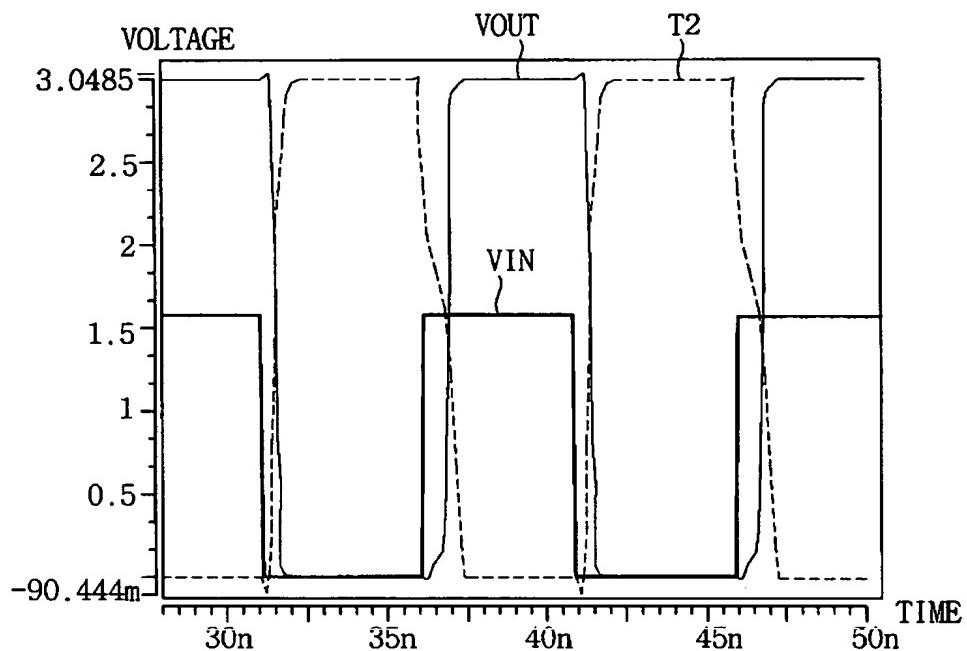


FIG. 6B

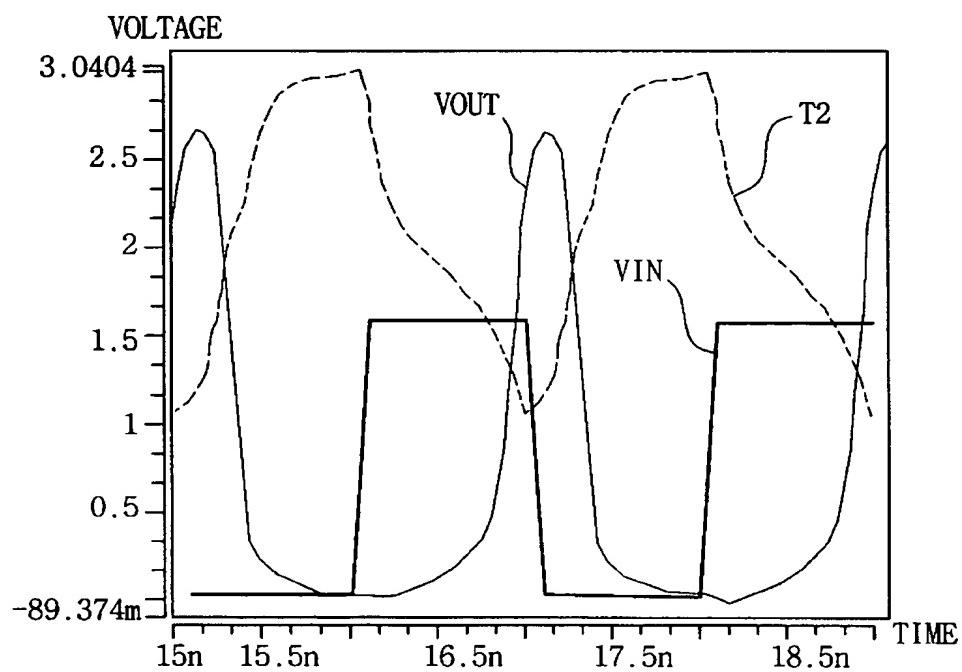


FIG. 6C

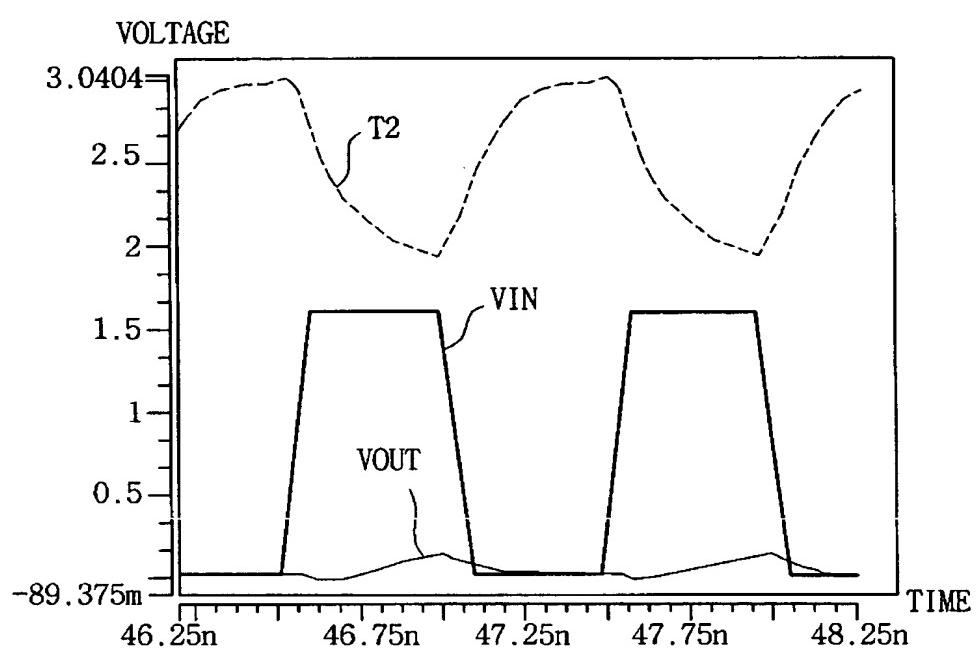


FIG. 7A

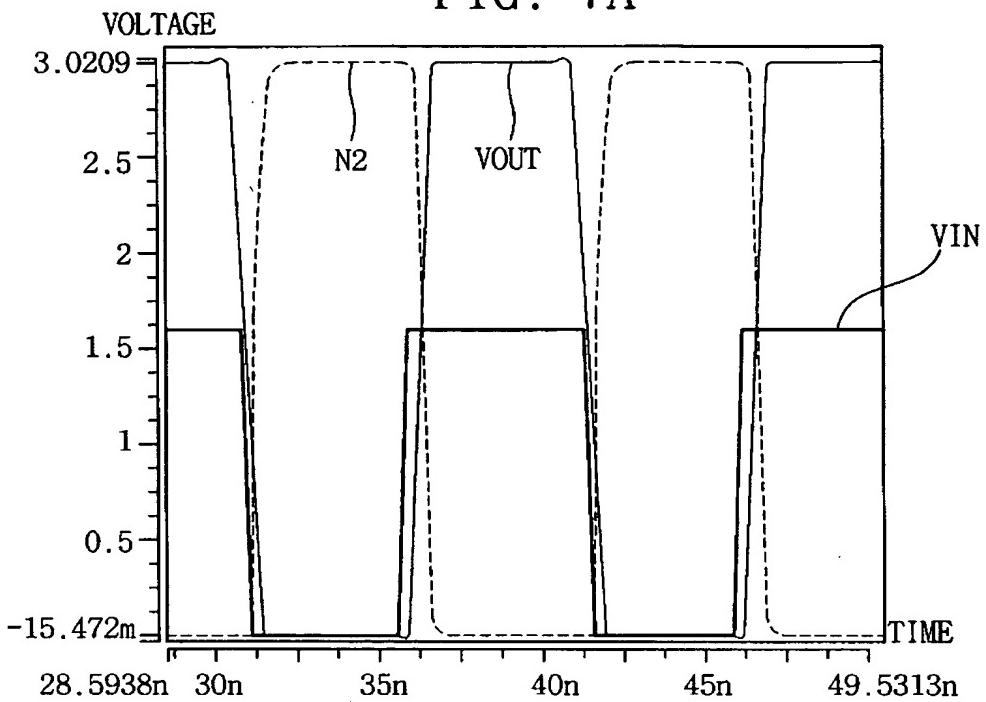


FIG. 7B

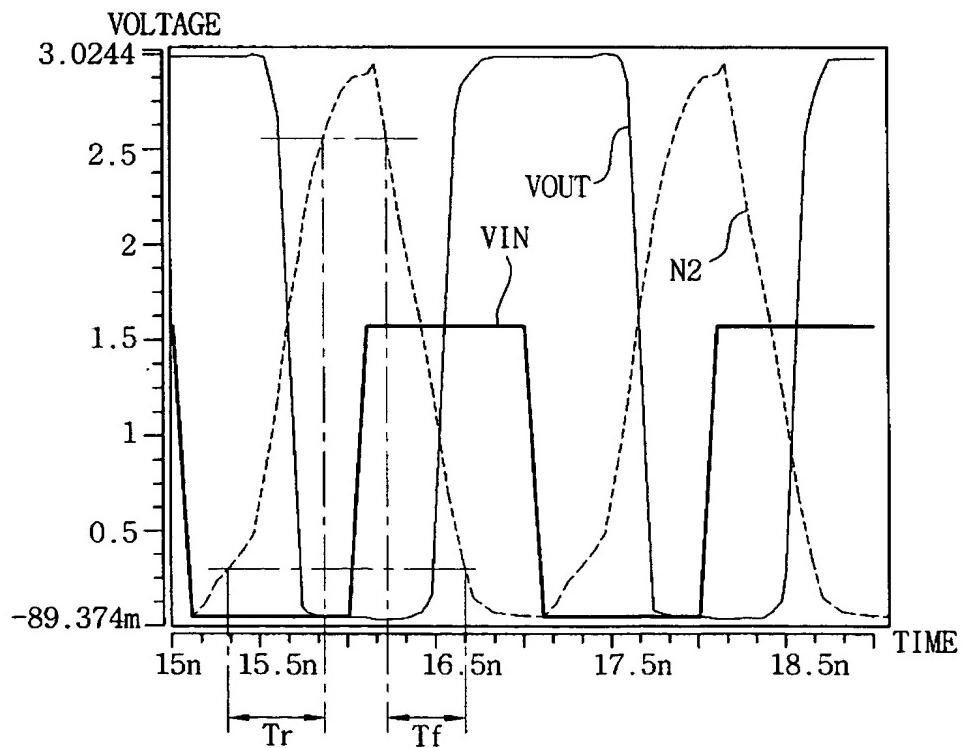


FIG. 7C

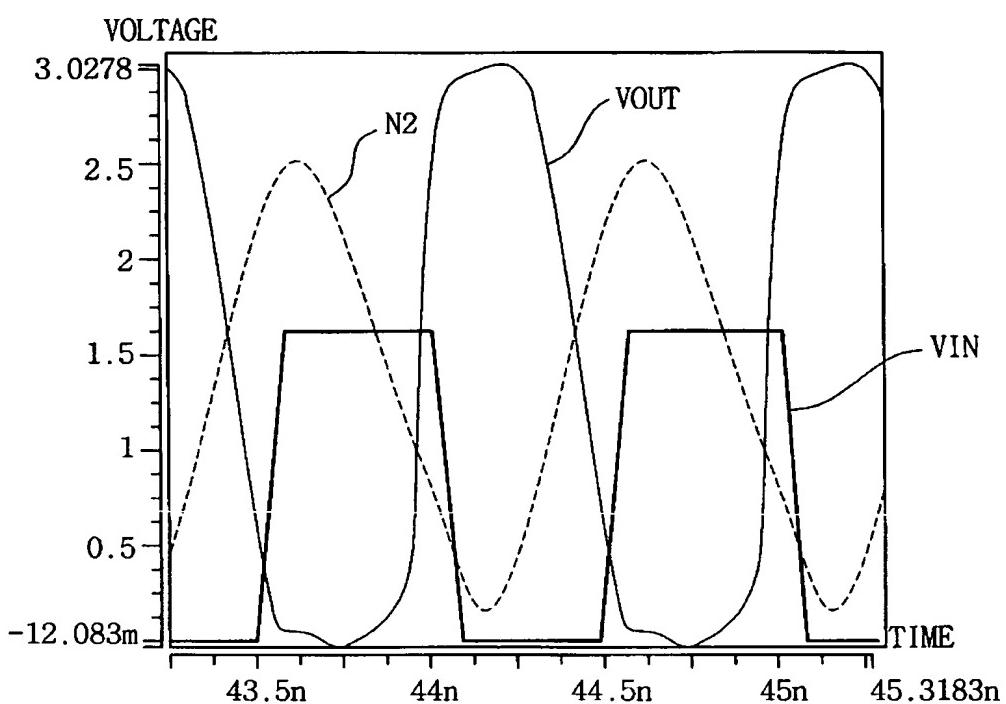


FIG. 8

		10MHz	100MHz	500MHz	1GHz
CONVENTIONAL STRUCTURE	SWING RANGE	100%	100%	89%	4%
	DUTY RATIO	49.5:50.5	46.5:53.5	18.3:81.7	-
	CURRENT (VDDH)	10uA	85uA	380uA	250uA
PRESENT INVENTION	SWING RANGE	100%	100%	100%	100%
	DUTY RATIO	49.9:50.1	49.0:51.0	48.5:52.0	51.2:48.8
	CURRENT (VDDH)	16uA	174uA	737uA	1089uA

FIG. 9

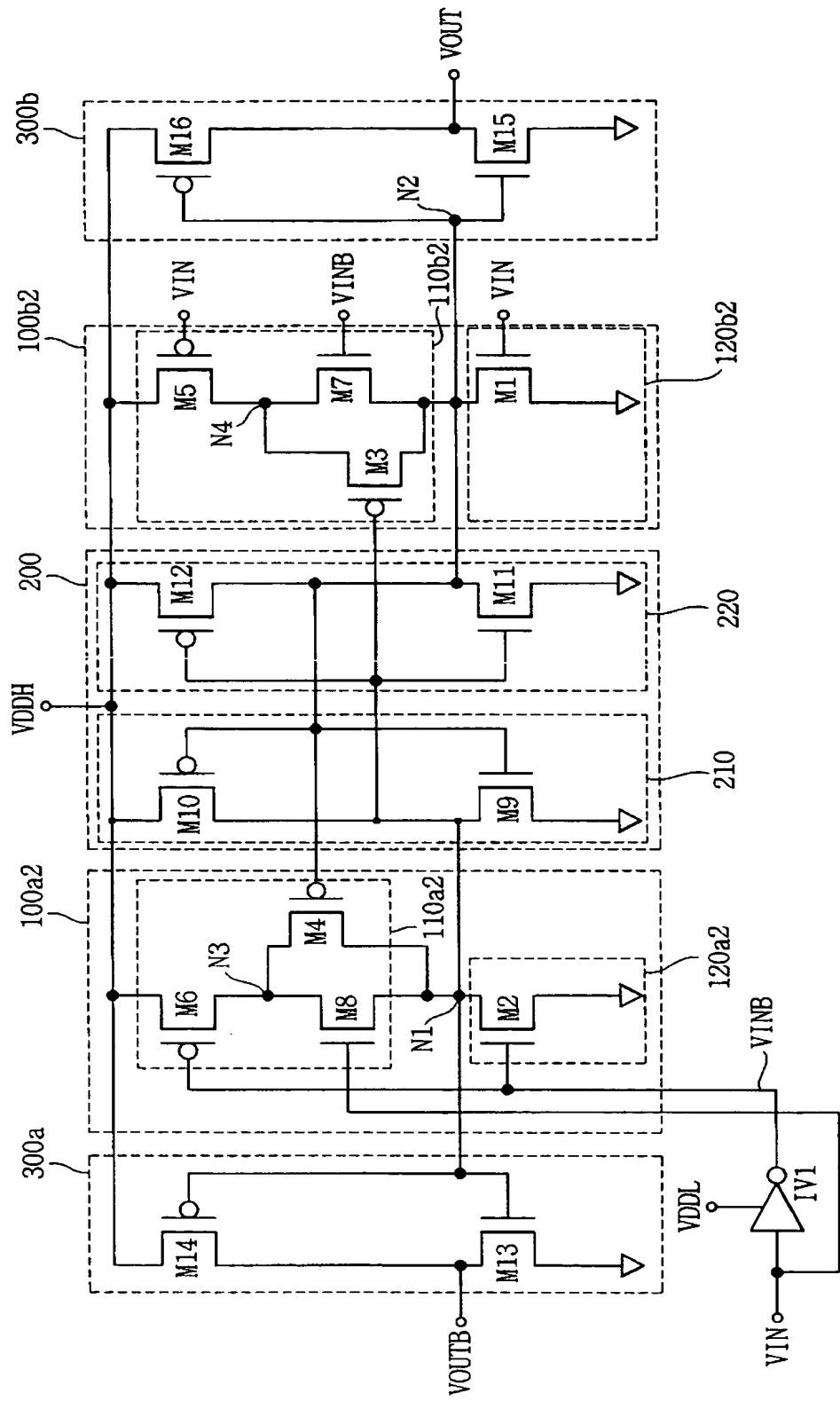


FIG. 10

